

METHODS AND TRANSGENIC MOUSE MODEL FOR IDENTIFYING  
AND MODULATING FACTORS INVOLVED IN THE PRODUCTION OF  
REACTIVE OXYGEN INTERMEDIATES

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ABSTRACT

The present invention provides a transgenic non-human animal,  
in particular a transgenic mouse encoding the NOX and Duox family of  
proteins, which generate reactive oxygen intermediates (ROI). The present  
10 invention additionally comprises cells and cell lines containing transgenes  
encoding for members of the NOX and Duox family of proteins. The present  
invention further comprises methods and compositions for evaluating  
regulators of abnormal cell growth and in the development of compounds that  
effect ROI expression.

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